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## RAY CON. MAY NOW EASE UP

Enough Ore Development  
Work Has Been Done

AN ENORMOUS TONNAGE

D. C. Jackling Says There  
Are 120,000 Tons on the  
Stock Pile Awaiting Com-  
pletion of the Smelter at  
Hayden—Globe District.

That the Ray Consolidated property with its 80,000,000, or more, tons of copper ore, is now in a position to ease up a bit from an ore development standpoint, is vouched for by D. C. Jackling, general manager of the company, who has returned to his Salt Lake headquarters from his regular monthly visit of inspection to the mine. No new churn drilling, therefore, is being done, the management confining its drilling operations to the ground containing what is termed practically developed ore to bring it into the actually developed or blocked class.

The Ray management, says Mr. Jackling, is doing over 7000 feet of underground development work per month, which results in the steady extraction of approximately 1000 tons of ore a day which is added to the stockpile, where, about 120,000 tons of ore await the completion of the concentrator. This ore is extracted without the permanent mine equipment, and the temporary mine equipment may be called upon to provide the food for the first section or two of the mill, although the officials hope that the permanent mine equipment will be installed by the time the mill is ready for operation.

In a development way, splendid progress is being done, and much of the equipment is arriving. The main mill building is completed, one-half of the concrete floor is in, and the machinery for the initial two sections is now being set into position. The power plant building has been completed, and at least two engines will be ready for work by January 15th or February 1st.

The Ray officials are to resume construction work more actively at the company smelter, the equipment for which is now in process of construction. There is no disposition, however, to hurry the smelter work to completion. The company figures that the mill will hardly be producing a sufficient quantity of copper concentrates at first to justify the blowing in of the smelter, but this smelter should be ready with at least two reverberatory furnaces by the middle of 1911.

### Superior & Boston.

The developments on the property of the Superior & Boston Copper company during the past two weeks have been probably the most important for some time, says the Silver Belt. The continued development on the right level in the drift, paralleling the Great Eastern vein has resulted in obtaining a showing that is regarded as extremely favorable for the developing of a large ore body. The first encouragement was given when two weeks ago a vein of ore from six to eight inches wide was encountered that assayed from four to six per cent copper. During the past week the face of this drift has been almost continually in ore, the last round of holes showing the full face of the drift in a rich iron matter containing considerable copper glance and cuprite. From every indication it would seem that with a little further development along this vein a permanent body of ore will be found. The drift in which this ore is being encountered is almost directly beneath the place where the high grade ore was found on the level above.

### Gold Road Mines to be Sold.

The United States Mining, Smelting and Refining company has taken an option to purchase the great Gold Road mine and mill, and Wednesday last A. W. Howitt and assistant, D. D. Muir, and twenty men arrived in Kingman on their way to the mines, where the work of sampling the property will be entered upon, according to the Mohave County Miner. Mr. Howitt is chief of the field division, having charge of all new work of the company. It is estimated that it will take more than a month to complete the work of sampling and testing out the great property and should it hold up to representations it will be taken over at a price approximated at \$5,000,000. The mine is said to have over 8,000,000 tons of milling ore in sight and that a small amount of work will add largely to this tonnage. The mill has a capacity above 20 tons of ore daily and the average monthly output is above \$60,000. In the event of the new company taking over the property it is more than a probability that a new plant will be put in to handle a tonnage of one thousand or more tons daily. The option runs for but a short time and the United States people will wish the work of sampling. Mr. Howitt is understood to be one of the best men in the business and when he gets through with the work his company may be assured of a correct report on all that there is in sight in the mine.

### U. V. Extension.

The favorable developments that have come with such rapid succession recently at United Verde Extension at Jerome, Ariz., really began at

most a year ago, although for the first few months the improvement was slow, compared to the frequent discoveries of new ore bodies that have been made of late. The reason for this was partly because of the inadequate power equipment in service then which has now been replaced with much heavier machinery driven by electricity. In September, 1909, the deepest workings in United Verde Extension were at the 800-foot level and drilling was all done by hand, but an exposure of ore at that time induced the management to begin sinking a winze and plan for power drilling, says the Prescott Journal-Miner.

Both in the drift and in the winze high grade sulphide ore carrying copper, gold, and silver, with some lead began to show persistently and the management determined upon financing methods that would carry out a thorough campaign of development.

At that time the capitalization was 200,000 shares and a meeting of the stockholders in November, 1909, authorized its increase to 400,000 shares. Allotments of this have been sold at varying prices from \$1 per share upward, the most recent being an allotment of 20,000 shares which was underwritten at \$2.50 per share and offered to shareholders pro rata at \$3. This last allotment will bring the outstanding stock up to 360,000 shares leaving 40,000 shares in the treasury, while the \$50,000 secured from its sale will bring the cash balance in the treasury up to more than \$100,000 at the present time.

Last April the Consolidated Arizona Smelting company, through its consulting engineer, Martin J. Heller, opened negotiations with the United Verde Extension for ore to be shipped to the Humboldt smelter, but the management has deemed it wiser to withhold shipments until a more thorough development of the property is secured.

The developments of the last six months have given a remarkable stimulus to activity at neighboring properties around Jerome.

### Shipping Ore.

T. G. Garner, who has been looking after his mining interests at Cerbat, was in Kingman Thursday last, says the Mohave County Miner. He reports that he is getting out a shipment of high grade lead ore to be sent to the smelter at Needles. At the other properties a nice showing of gold ore has been made. At one of the shafts gold ore running many hundreds of dollars to the ton has been uncovered. The veins are all promising and only need development work to bring them into a large production of pay ore.

### Inspiration.

The Inspiration Copper company is now sinking both the Joe Bush and the Colorado shaft. The Joe Bush shaft is down to 490 feet, and the Colorado shaft has been sunk to a depth of 475 feet. During the sinking of the last few feet in the Colorado shaft considerable ore has been encountered. The Joe Bush, Colorado and Scorpion shafts have all been connected on the last level, and when sinking of the Bush and Colorado shaft has been completed it is probably the intention of the management to connect these shafts as has been done on the level above. Most of the development work that has been done so far has been in the vicinity of the Bush shaft, practically no attempt having been made to block out any of the ore in the neighborhood of the Scorpion or Colorado shafts when sinking is completed it seems reasonable to suppose that underground work will be started from these last named shafts and attempt made to determine the exact extent of the ore zone. In the 75-ton test mill, that was completed a short time ago, test runs are being made every few days with a view to determine the concentrating quality of the ore and at the same time the kind of machinery that will be best adapted to handle it. Experiments have been made in the last few days with the system introduced by the Utah Copper company and the results have been highly satisfactory. A comparison of two makes of "Roughing Tables" is being made, both are equally satisfactory, the tests show that fifty per cent of the recovery is made on these tables. The Inspiration company has increased the number of drills by three, this makes a total of six of these drills that are now at work on the property, four are engaged in blocking out the ore, and the other two are being used in doing work of a more prospecting nature. In drill hole No. 465, one of the last holes drilled, ore was found that assayed as high as four per cent—Globe Silver Belt.

### NOT THE SAME.

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